BRUHAT BANGALORE MAHANAGARA PALIKE

YALAHANKA ZONE ELECTRICAL DIVISION

Name of work:- Detailed Estimate for Maintenance repairs & Providing Aerial Bunch cable and Street lighting and automatic Timer controller to major roads to Yelahanka constituency area in Ward No 04.

Budget Head .....

Division No..... Estimate No. ..69..... For Rs. **500000.00**

Sl.No.	SR Page & SL No	Description of Work	Unit	Qty.	Rate Rs.	Amount
1	56/7.6.5	Supplying of 1.1KV grade Aerial Bunched Cable Stranded & Compacted Aluminum Phase Conductor, and Stranded Messenger Conductor with all aluminum Alloy, Phase Conductor is insulated with XLPE Compound, insulated Messenger with specified IS-14255:1995 & confirming to GTP of GROUP-A3 X 25 + 1 X 25 + 1 X 16 SQ.MM	Per Mtr	1000	177.00	177000.00
2	Bes Sr	Stringing of 1.1kv LT Arial Bunched Cable, BESCOM SR	Per Mtr	1000	10.30	10300.00
3	12/2.1	Wiring for lighting/power circuit using one of PVC insulated 1100v grade stranded **Aluminium** unsheathed wire single core/multi core cable in open or consealed system of wiring. a)4 sqmm.	Each	200	7.50	1500.00
4	55/7.4.5	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanished, steel wire/steel tap armoured cable with PVC outer sheating 1.1 KV class.I. Class 'A' PVC Cable. 3.5 core 25 sqmm	Per Mtr	200	165.50	33100.00
5	61/7.8.2	Labour charges for lying of 1.1 KV class UG cable when supplied agency in existing trench GI pipe / stoneware pipe / on wall /on pole as required. I. In existing trench/duct.b)25sqmm to 75 sqmm	Per Mtr	200	16.00	3200.00
6	7.9	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7)In soil (ordinary)	Per Mtr	150	78.00	11700.00
7	46/6.1.3.A.1	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps25kA.	Nos	7	4044.00	28308.00
8	33/5.8.5	Supplying and Fixing ..... including all Hardware's etc. complete as per the standard technical specification of BESCOM. RCC Clamp	Each	27	84.00	2268.00
9	6.7.3	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.63Amps	Each	18	234.00	4212.00

10	47/6.1.6.6	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.f)40-63Amps TPN,	Each	12	1936.00	23232.00
11	6.4.2	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete.16SWG	Sqcm	175000	0.33	57750.00
12	46/6.1.2.4	Supply and fixing of 4-pole power contactor with NO/NC contacts on existing wood / panel board using necessary bolts, nuts, washers and wiring etc., complete. d) 100-125 Amps	Each	7	9915.00	69405.00
13	6/2.6.7	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and **Copper** conductor single core cable in open or consealed system of wiring.I Group A Materials.g)16 sqmm	Per Mtr	50	132.00	6600.00
14	17/3.1.0	Supplying and fixing phylum brand hand plastic sheet 3mm thick with necessary niches for fixing switches, regulators etc., and fixing on exisiting wood or metal box using N.F.screws	Sqcm	40000	0.22	8800.00
15	49/6.39.1	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)40X40X6mm	Per Mtr	41	263.00	10783.00
16	32/9	Supplying and fixing electro mechanical timer (without contactor) using necessary bolts, nuts and waqshers etc.. Group A, PWD Elec SR 2006-07.	Nos	5	4200.00	21000.00
17	1.1.1	Digging of Pits 1.8 mtr depth for errection of 9 to 10mtr Long Steel/RCC/PSC supports as per approved Drawing.Ordinary Soil	Nos	5	378.00	1890.00
18	2.1	Erection of steel supports 9.0 to 10.00 mtr long suchas 22.68 kg (50 lbs) Rail, 27.22 kg (60 Lbs) Rail IBeam of sizes 200x100mm, 175x90 mm, 125x100mm. Fabricates poles tubular poles in pits of 1.8 mtrDepth, Aligning, Refilling with soil and ramming asapproved drawing	Nos	5	304.00	1520.00
19	1.8.2	Pole concreting with CC 1:2:4 (without coping) f) 8mtrs support (400x400x1500mm)	Nos	5	982.00	4910.00
20	17.1	Any Dismantling work 90% of the corresponding erection charges(304x90%=273.6)	Nos	5	273.60	1368.00
21	27.1	Transportation using 7.5/10 Tons Lorry Rs. 23 per Kms subjected to a minimum of Rs. 1200/-per day (shifting of Panel boards & Poles)	Nos	3	1200.00	3600.00

22	16.28.3	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole .8Mtr and above street light pole.	Nos	5	700.00	3500.00
23	53.15	Piercing Connector Suitable for 16 Sqmm - 95 Sqmm AB Cable - Street Light Connections	Nos	25	160.00	4000.00
24	53.23	Suspension Clamp Assembly16 to 70 Sqmm Bare Messenger(Exclusive of pole clamp and eye hook)	Nos	25	190.00	4750.00
25	53.19	Dead End Clamp/Anchor Clamp Assembly 25 to 95 Sqmm Bare Messenger(Exclusive of pole clamp and eye hook)	Nos	4	131.00	524.00
26	46.6	Erection of Suspension Clamp - 25 to 95 sqmm bare messenger	Nos	25	115.00	2875.00
27	46.12	Installation of Insulation piercing connector for main to street lightMain : 16-95sqmm, Tap : 1.5-10sqmm(EP95)	Nos	25	54.00	1350.00
28	46.10	Fixing of Universal Hook/Dead end clamp	Nos	4	115.00	460.00
		Mislenious				95.00
		Total				**500000.00**

CERTIFICATE

1. The Place was inspected and work is essential.
2. The Provision made in the estimate is adequate and are necessary.
3. The Work comes in the BBMP limit and is legitimate charges on the Corporation Funds.
4. The rates in the Estimate is based on PWD (Elec) SR of 2014-15 .

Jr/Asst. Engineer (Elec)

Asst. Exe.Engineer (Elec)
YALAHANKA zone
Bruhat Bangalore Mahanagara Palike

EXECUTIVE ENGINEER (ELEC)
YALAHANKA ZONE
BRUHAT BANGALORE MAHANAGARA PALIKE

Administrative Sanction for Rs. 5.00 LAKHS
Rupees FIVE LAKHS ONLY
is accordance with P0303 M and R to pump Sets Lifts D.G Sets Wireless Sets and Internet Telephone Exchange
Registered as EE No. 52/2018-19 Subject to conditions contained in enclosed memo No BBMP/EE(E)/42/AS/52/2018-19
Dt 18.02.2019
Executive Engineer

TECHNICALLY SANCTIONED FOR Rs. 5.00 LAKHS
Rupees FIVE LAKHS ONLY
Under P0303 M and R To pump Sets Lifts D.G Sets Wireless Set and
Registered as EE( ) No. A6/2018-19
Subject to conditions contained in enclosed memo EE( ) No. BBMP/EE(E)/42/AS/52/18-19
Dt. 18.02.2019
Estimate A/S sanctioned
BBMP/EE(E)/42/TS/A6/2018-19
Dated 18.02.2019 Rs.
Executive Engineer